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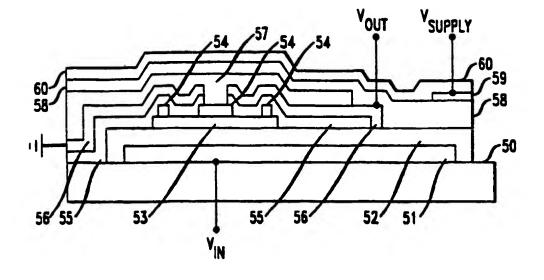
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- (54) Circuit comprising complementary thin film transistors
- (57) In preferred embodiments of the invention, the n-channel inorganic TFTs have an amorphous Si active layer (53), and the p-channel organic TFTs have α -hexathienylene (α 6T) active layer (58). Complementary

inverters according to the invention are disclosed, as is an exemplary processing sequence that can be used to manufacture integrated complementary inverters and other complementary circuits according to the invention.

FIG. 9





EUROPEAN SEARCH REPORT

Application Number EP 97 30 0063

	Citation of document with indi	cation, where appropriate,	Relevant	CLASSIFICATION OF THE
ategory	Of relevant passages DODABALAPUR A ET AL: "Hybrid organic/inorganic complementary circuits" APPLIED PHYSICS LETTERS, 15 APRIL 1996, AIP, USA,		to claim 1,2,4-6	H01L51/20 H01L51/30 H01L27/12
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Ε	US 5 612 228 A (SHIE + column 2, line 3 - claims 1-18; figures	column 2, line 30;	1,2,4-6	
A	PATENT ABSTRACTS OF JAPAN vol. 014, no. 016 (E-872), 12 January 1989 & JP 01 259563 A (MITSUBISHI ELECTRIC CORP), 17 October 1989, * abstract *			
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	The present search report has			
	Place of search THE HAGUE	Date of completion of the search 16 February 1998	3 Kä	examenar inigstein, C
Y :	CATEGORY OF CITED DOCUMENTS particularly relevant if taken sione particularly relevant if combined with ano- socument of the same category echnological background	T: theory or prince E: earlier patent d after the filling d ther D: document cited L: document cited	ple underlying tr ocument, but pu ate in the applicate for other reason	ne invention planed on, or on